

REMARKS

The office action of October 6, 2004, has been carefully reviewed and these remarks are responsive thereto. Reconsideration and allowance of the instant application are respectfully requested.

Claims 1-11 remain in this application. No claims have been withdrawn. New claim 12 has been added. Claim 12 is the same as claim 1 prior to the amendment contained herein.

Correction of Drawings

Applicant amends Figure 1 and 3 as shown in the attached marked up version of the drawings and replacements sheets. Figure 1 as originally filed connected the input of register 72 (the top register from memory array 73) in memory core 70 with the input to registers 80a-80m. Figure 3 had a similar connection between the first register 12 in memory core 1 and the inputs to timing test circuits 2a-2i.

Applicant has amended Figure 1 to connect the input of buffer 71 (the third buffer from the top) to the input of registers 80a-80m. Similarly, applicant has amended Figure 3 in a similar fashion.

These corrections would have been apparent to one of ordinary skill in the art because of the direction of the buffers 71 in order for the registers 80a-80m receive output data from a memory array 73.

Similarly, the connections in revised Figure 3 as they would have been apparent to one of ordinary skill in the art for the timing test circuits 2a-2h to receive an output from the second register 12 in memory core 1. No new matter has been entered.

Rejection Under 35 U.S.C. 102(b)

Claims 1-6 and 10 stand rejected under 35 U.S.C. § 102(b) over Cirimele. Applicant traverses the rejection.

Claim 1, as amended, recites, *inter alia*:

“ both of the first timing and the second timing are within a same clock cycle, but a first amount of phase shift of the first timing is different from a second amount of phase shift of the second timing.”

Cirimele, on the other hand, does not disclose this structure. In particular, Cirimele fails to disclose a comparison of first data in a clock cycle with second data in the same clock cycle. As Cirimele fails to disclose each and every recitation, claim 1 is allowable over the reference.

Claim 3 recites similar language and is also allowable over Cirimele.

Dependent claims 2, 4-6, and 10 are allowable for at least the reason claim 1 is allowable over Cirimele.

Rejection Under 35 U.S.C. 103

Claims 7-9 and 11 stand rejected under 35 USC 103. Applicant traverses this rejection.


Because Cirimele fails to address each and every recitation of claims 1 and 3 as now amended and that the Examiner has not addressed these new recitations, claims 7-9 and 11 are allowable over Cirimele for at least the reasons stated above.

It is believed that no fee is required for this submission. If any fees are required or if an overpayment is made, the Commissioner is authorized to debit or credit our Deposit Account No. 19-0733, accordingly.

All rejections having been addressed, applicant respectfully submits that the instant application is in condition for allowance, and respectfully solicits prompt notification of the same.

Respectfully submitted,

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Amendments to the Drawings:

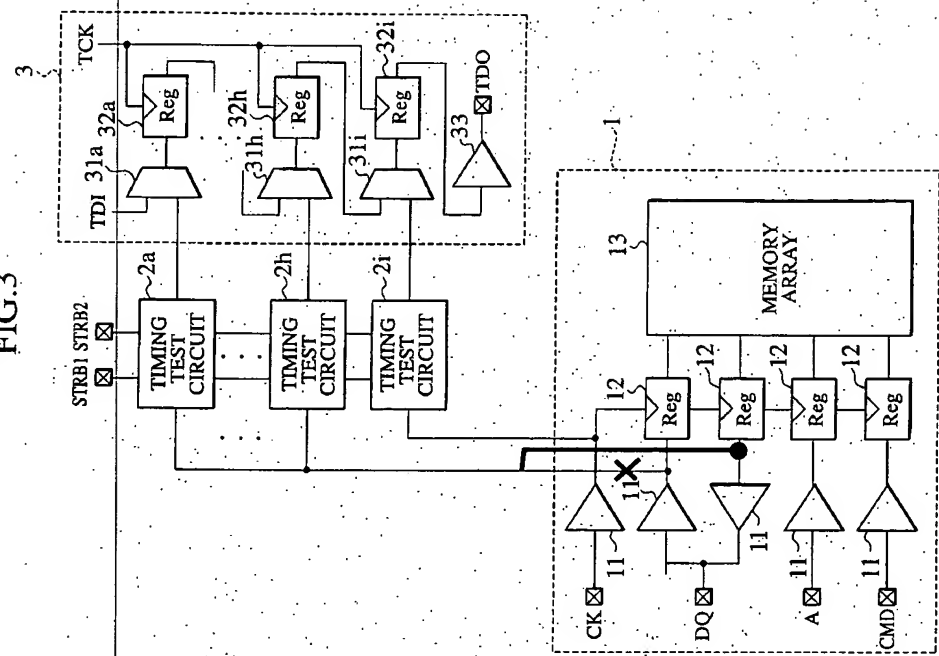
The attached sheets of drawings include changes to Figures 1 and 3. The changes to Figures 1 and 3 are shown in red on a marked up version of the drawings. Following the marked up version of Figures 1 and 3, Applicant attaches a complete set of all Figures including revised Figures 1 and 3.

Attachment: Replacement Sheets

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FIG. 3



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FIG. 1

